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L O N D O N

ALMANACK.

For the Year of our Lord, 1706.
For the Year of the World, 5706.
For the Year of the Queen's Reign, 4.

Containing,

- I. The Moon's Rising, Setting and Southing.
- II. The time of High Water at London-Bridge.
- III. The exact High Water in 110 other Ports.
- IV. The Roman Account fitted to our Months.
- V. The Sun's Rising and Setting every Day.
- VI. The Length of the Day and Night.
- VII. The Increase and Decrease of the Days.
- VIII. The Regulation of Pendulum Clocks.
- IX. Choice Medicinal Observations.
- X. The Eclipses of the Luminaries.
- XI. The Mutual Aspects of the Planets.
- XII. A Discourse of the beginning of the Christian Year.

By W. S. M. D.

L O N D O N:

Printed by R. Janeway, for the Company
of Stationers, 1706.

Ephemerides

An Account of Dr. W. Salmon's Books.

- I. Pharmacopœia Lond. *The new London Dispensatory.* Oſ.
- II. Doron Medicum : Or, a Supplement to the new London Dispensatory. Oſ.
- III. Pharmacopœia Bateana : Or, Bates's Dispensatory. Oſ. *Second Edit.*
- IV. Officina Chymica : Or, Body of Chymistry. Oſ.
- V. Medicina Practica : Or *Practical Physick* : To which is added, Hermes, Kalid, Geber, Arteſius, Flammel, Bacon, Ripley, in English. Oſ.
- VI. Polygraphice : Or, the Art of Drawing, Engraving, Etching, Limning, Painting, Colouring, Washing, Gilding, Varniſhing, Dying, Beautifying and Perſuming, &c. *The Eighth Edition enlarged and amended.* Oſ.
- VII. Sepiaſium : *The English Phyſician, or Druggiſt Shop open'd.* Oſtavo.
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- IX. Systema Medicinale : Or, a compleat System of Phyſick. Oſtavo.
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- XI. Synopsis Medicinæ : Or, a Compendium of the Theory and Practice of Phyſick, the moſt compleat thing of that kind in the World. *The Third Edition* Oſtavo.
- XII. Ars Chirurgica : *Treating, 1. Of Operations. 2. Of Deſedations. 3. Of Tumours. 4. Of Wounds. 5. Of Ulcers. 6. Of Fractures. 7. Of Diſlocations. A compleat Work.* Oſ.
- XIII. Ars Anatomica : *The Anatomy of Humane Bodies, reformed by Modern Discoveries. Illustrated with 48 Tables of Copper Cutts.* Oſtavo.
- XIV. Horæ Mathematicæ, out of Print ; but deſign'd for the Preſs again, with large Additions, Numerical, Geometrical, Aſtronomical, &c. Oſ.
- XV. Collectanea Medica : *The Country Phyſician ; or, Choice Collections of Physical things, fitted for vulgar Uſe. To which is added the Phylaxa Medicinæ, or Cabinet of Choice Medicines, both Parts Compleat.* Oſ.

XVI. *The Practice of Physick: Or Sydenham's Processus Integri, Translated into English, largely Commented upon, shewing the Signs, Causes, and Cures of Diseases. The Second Edition.*

XVIII. *The Family Dictionary, containing Receipts for Cookery, making Conservees, Preserves, Candies, English Wines, all sorts of Potable Liquors, rare Perfumes, Beautifying Washes, Oils, Essences, Spirits, Cordial Waters, Tinctures, Elixirs, Pouders, Electuaries, Pills, Ointments, Cerecloths, Emplasters, &c. O&A. Fitted for the Use of Ladies and Gentlewomen.*

The Explanation of the Almanack.

I. *The Sixth Column on the Right-hand Page, shews every Day in the Year, how many Minutes and Seconds a Pendulum Clock or Watch goes too fast or too slow. (Example) On the 10th of March the Pendulum will go 7' 28" too fast; on the 10th of May 4' 5" too slow. But then the Clock must be set exactly to the true Time on the 4th of April, or 6th of June, or 21th of August, or 13th of December, because on those Days the Equation is just nothing.*

II. *Under Sun Rising and Setting the Minutes are in the middle. (Example) On the 10th of January you find 7-49-5, which shews the Sun Rises 49 Min. past 7 Morn, and Sets 49 Minutes before 5 at Night.*

III. *The Column for length of Days and Nights against the 6th of March you find 11 36 13, which shews the Day is 11 Hours 36 Minutes long, and the Night 13 Hours wanting 36 Minutes.*

IV. *To find the Hour of the Night by the shadow of the Moon on a Sun-dial, add the Hours and Minutes of the Moon's Southing, to the time of the shadow on the Dial, the Sum (abating 12 Hours where it may be) is the true time of the Night.*

The Virtues and Uses of the True Balsam de Chili.

1. It is without doubt the most precious of all Natural Balsams, by reason of its Specifick properties, and admirable Odor, exceeding all others, and curing the most inveterate Diseases.

2. It eases all Pains of the Stomach, strengthening it after a wonderful manner: It Cures Ulcers in the Breast, Lungs, Reins, or Womb, Bruises, Spitting of Blood, Cough, Colds, Wheezings, Hoarseness, and all such like Diseases.

3. It heals all sorts of Green-wounds, old running Sores, rotten Ulcers, Fistula's in any Part, Punctures, and such like Hurts of the Tendons and Nerves; Aches, Pains, Lameness of the Limbs or Joints, being dropt into the Wound, or applied thereon, with a Tent of Linen or Leather, &c. it commonly cures Wounds at two or three dressings.

4. It dissolves Gravel or Stony Concretions in the Kidneys, and expells Sand, Slime, and other things that obstruct the Urine, or stop up its Passage; for which purposes there is scarcely a better Medicine.

5. It cures all Collick Pains, Wind in the Stomach and Bowels, all Fluxes and Excoriations of the Guts; helps Barrenness, and promotes Conception, causes speedy Delivery to Women, taking away and preventing After-pains.

6. It is good against all Diseases of the Brain, as Falling-Sickness, Apoplexy, Convulsions, &c. It strengthens the Memory, and fortifies all the Senses, being taken inwardly as directed, and outwardly anointed on the place; a drop or two put into the Ears, helps the Pain and Noise in them to a wonder.


7 It is a good Remedy for the Palsie and Gout of all sorts in any part, Weakness of the Nerves and Joints by cold; take it inwardly, and anoint the part outwardly therewith Morning and Evening: It is one of the best Medicines for the Palsie and Gout that is in the World.

8 The Dose is from half a Dram to a Dram, or more, or from 10 Drops to 30 or 40 Night and Morning; mix the quantity you take with the Yolk of an Egg or Sugar, to open its Body; this done, mix it with White-wine, Ale or Posset-drink, and let the Patient drink it.

The True Balsam de Chili is only to be had at Black-Friars-Stairs, London, Price 24 s. the Pound, or 18 d. the Ounce.

The Table of TERMS.

Hilary	Begins Jan. 23 Ends Feb. 12	Oftab Hilary	Jan.	21
		Quind. Hilary	Jan.	28
		Craft. Purif.	Feb.	4
		Oftab. Purif.	Feb.	9
Easter.	Begins Apr. 10 Ends May 6	Quind. Pasch.	April	8
		Tres. Pasch.	April	15
		Mens. Pasch.	April	22
		Quinq. Pasch.	April	29
		Craft. Ascens.	May	3
Trinity.	Begins May 24 Ends June 12	Craft. Trin.	May	20
		Oftab. Trin.	May	27
		Quind. Trin.	June	3
		Tres. Trin.	June	10
Michaelmas.	Begins Oct. 23 Ends Nov. 28	Tres Mich.	Oct.	21
		Mens. Mich.	Oct.	28
		Craft. Anim.	Nov.	4
		Craft. Mart.	Nov.	12
		Oftab. Mart.	Nov.	18
		Quind. Mart.	Nov.	25

 **Botonologia:** Or, *A Compleat English Herbal, in Three Books. I. All English Herbs and Plants. II, English Trees and Shrubs. III: Exoticks, or Outlandish Druggs, so many as are commonly used in Physick. The whole compleated with about 1600 Curious large Cuts, being the Icons or Figures of each Plant; together with, 1. The various Names in Arabick, Greek, Latin and English. 2. The Kinds or Species. 3. The Descriptions. 4. The Places of Growth. 5. The Times of Flowering and Seeding. 6. The Temperature, Properties and Appropriations. 7, The Specification. 8. The Preparations. 9. The Virtues and Uses Chymically designed, and Medicinally applied to all the various Preparations. By W. Salmon, M.D. It is now in the Press, and almost finished, and will be hastned with all the Diligence imaginable.*

The TIDE TABLE.

	H. M.
1 Quinborough, Southampton, Portsmouth, Pitts,	0 0
2 Wight, Sheerness, Welkin, Kentish Knock.	
3 Rochester, Malden, Aberdeen, Redban,	0 45
4 Blacktail, West of the Nore.	
5 Gravesend, Downs, Tenet, Rummy,	1 30
6 Ramkins, Blackness, Scilly.	
7 Dundee, St. Andrews, Lisbon, St. Lucas,	2 15
8 St. Mark, Bell Isle, Holy Isle.	
9 London, Tinmouth, Whitebay, Gascoin,	3 0
10 Amsterdam, Hartlepool.	
11 Barwick, Scarborough, Birdlington,	3 45
12 Ostend, Pount, Hambrough, Flushing.	
13 Dunbar Frith, Leith, Severn, Mounts Bay,	4 30
14 Kingsale, Dungarvan, Egmon, Lourness, Cork,	
15 Newcastle, Falmouth, Humber,	5 15
16 Dartmouth, Torbay, Garnsey, Foy.	
17 Plymouth, Lyn, Hull, Weymouth,	6 0
18 Antwerp, David's-head, Lundee.	
19 Bristol, Lanign, Foulness at the Start.	6 45
20 Milford, Bridgwater, Waterford,	7 30
21 Texel, Exwater, Lands-end.	
22 Portland, Dublin, Peterport, Sound,	8 15
23 Hague, Magnes, Lambay.	
24 Pool, Orkney, Orwell, Calness, Kildein,	9 0
25 Dunbar, Hellen, Embdon, Man Isle, Fair Isle.	
26 Needles, Deep, Orford, Casket, Lyx,	9 45
27 Lenow, Laist, N. and S. Forelands.	
28 Yarmouth, Dover, Harwich,	10 30
29 Callice, Balloign, Tobn de Luce.	
30 Rye, Winchelsey, Gorend, Rhodes, Callshot.	11 15

Add the H. and M. of the D's Southing to the H. and M. in this Table, (casting away 12. H. if the Sum exceed,) and you have the true time of Full Sea.

The

January hath XXXI Days.

New Moon 3 Day at 7 Night.
 First Quarter 10 Day at 1 Afternoon.
 Full Moon 17 Day at 9 Night.
 Last Quarter 26 Day at 6 Morn.

D.	M.	Festival Days.	Moon Ri. Set.	Moon South.	Full Set Lon. Br.	Aspects and Weather.
1	a	Circumcision.	6 M 17	9 M 48	12 21	The Year is
2	b		7 22	10 49	1 A 33	like to begin
3	c		8 Sets. 11	11 44	2 34	☿ ☽ ♃ with
4	d		4 A 37	12 A 42	3 37	Wind and
5	e		6 11	1 44	4 28	Rain, and the
6	f	Epiphany.	7 39	2 35	5 56	Weather
7	g		9 03	3 26	6 30	moderately
8	a		10 30	4 35	7 54	good the
9	b		12 04	5 59	8 35	time of the
10	c		0 M 05	5 54	7 25	Y. confider'd.
11	d		1 28	6 42	8 14	But about
12	e		2 48	7 33	9 17	△ ♄ ♀ this
13	f	1 st past Epiph.	4 28	8 31	10 34	Time Wind
14	g		5 38	9 29	12 0	☿ ☽ ♀ and
15	a		6 48	10 24	0 M 0	Rain is ex-
16	b		7 34	11 17	2 10	pected.
17	c		8 Rises. 12	12 14	3 14	Now more
18	d		4 A 48	0 M 14	3 27	mild for
19	e		6 24	0 58	3 58	☿ ♃ ♀ some
20	f	2 nd past Epiph.	7 13	1 40	4 25	Days.
21	g		8 30	2 28	4 53	
22	a		9 37	3 7	5 16	☐ ♄ ☽ then
23	b	Term begins.	10 31	3 48	5 44	Snow or cold
24	c		12 44	4 23	6 8	Rain expect-
25	d	Conv. St. Paul.	0 M 4	5 36	6 36	ed, and an
26	e		1 12	5 46	7 16	intermixture
27	f	3 rd past Epiph.	2 34	6 38	8 9	of Frost in
28	g		3 49	7 32	9 12	this Month
29	a		5 08	8 18	10 21	by Fits.
30	b	K. C. I. Mart.	6 8	9 11	11 29	Moderate at
31	c		6 49	10 22	1 A 4	the ending.

January 1706.

The { 19 Day at 10 Morn. Saturn
16 Day at 3 Afternoon Jupiter
29 Day at Midnight Mars } is with the Moon.
2 Day at 1 Morning Venus
5 Day at 1 Morning Mercury }

Ro.	Sun	Length of Days	Clock	Physical Re-
Acc.	Ri. Set.	Day Nigh.	Decr. too fast.	cipe's.
1 12	8 0	4 8 0	16 0 268	52
2 13	7 59	5 8 2	16 0 289	14 To Ease After
3 14	7 58	5 8 4	16 0 309	36 Pain-s
4 15	7 56	5 8 6	16 0 329	58 Take Powers of
5 16	7 55	5 8 8	16 0 3410	19 Amber 60 Drops,
6 17	7 54	5 8 10	16 0 3610	38 of our Gutta Vita
7 18	7 53	5 8 12	16 0 3810	58 30 or 40 Drops,
8 19	7 51	5 8 14	16 0 4011	17 mix them, and
9 20	7 50	5 8 16	16 0 4211	35 give it in a Glas
10 21	7 49	5 8 20	16 0 4611	52 of Canary, which
11 22	7 47	5 8 22	16 0 4812	9 repeat 12 Hours
12 23	7 46	5 8 26	16 0 5212	26 after if Need re
13 24	7 45	5 8 28	16 0 5412	40 quire.
14 25	7 44	5 8 30	16 0 5612	53
15 26	7 42	5 8 34	16 0 5813	6 For vomiting
16 27	7 41	5 8 38	16 1 213	18 and Sicknefs at
17 28	7 39	5 8 42	16 1 413	30 Stomach.
18 29	7 38	5 8 44	16 1 813	42 Take of our Sto-
19 30	7 36	5 8 48	16 1 1013	51 mach Tincture;
20 31	7 34	5 8 52	16 1 1413	59 Powers of Mint,
21 Feb.	7 32	5 8 56	16 1 1814	8 Spiritus Aperi-
22 2	7 31	5 8 58	16 1 2014	16 ens, of each equal
23 3	7 30	5 8 0	16 1 2414	23 Parts, mix them:
24 4	7 28	5 9 4	15 1 2614	29 Dose 50 or 60
25 5	7 26	5 9 8	15 1 3014	33 Drops in Canary
26 6	7 25	5 9 10	15 1 3414	37 Two or Three
27 7	7 23	5 9 14	15 1 3814	41 times every
28 8	7 21	5 9 18	15 1 4014	44 Day.
29 9	7 20	5 9 20	15 1 4414	45
30 10	7 19	5 9 22	15 1 4614	46
31 11	7 18	5 9 24	15 1 5014	46

February hath XXVIII Days.

New Moon 2 Day at 6 Morning.
 First Quarter 8 Day at 11 Night.
 Full Moon 16 Day at 3 Afternoon.
 Last Quarter 24 Day at 7 Night.

M.D.	W.D.	Festival Days.	Moon Ri. Set.	Moon South.	Full Sea Lon. Br.	Aspects and Weather.
1	a	Parif. V. Mary.	7 M 23	11 M 32	2 A 20	
2	b	Shrove-Tuesday	6 A 19	1 A 12	4	Seasonable
3	c		17 52	2 64	37	Weather
4	d	Shrove-Tuesd.	9 21	2 46	5 3	☐ ♀
5	e	Q. Anne Born	10 58	3 44	5 42	about this
6	f		12 16	4 35	6 16	time, and
7	g		0 M 16	5 30	7 2	△ ♀
8	a		1 55	6 47	35	pretty mo-
9	b	1 Sund. in Lent	3 14	7 38	42	derate, the
10	c		4 27	8 16	10 12	Season
11	d	Term ends.	5 23	9 10	11 29	consider'd,
12	e		5 57	10 4	12 44	yet Frosty
13	f	Valentine's	6 22	10 53	0 M 44	sometimes,
14	g		6 45	11 41	2 38	♂ ♀
15	a		☐ Rise. 12	23 3	22	but holds
16	b	2 Sund. in Lent	6 A 25	0 M 23	3 38	☐ ♀
17	c		7 31	1 2	3 56	not viol.
18	d		8 47	1 40	4 25	Now you
19	e		9 56	2 20	4 46	may expect
20	f		11 10	2 59	5 14	about this
21	g		12 26	3 45	5 42	time some
22	a		0 M 26	4 30	6 13	* ☉ ♀
23	b	Matthias Ap.	1 40	5 20	6 53	flabby
24	c		3 22	6 12	7 40	Weather,
25	d		4 8	7 7	8 42	
26	e		5 48	11 10	6	△ ☉ ♀
27	f		5 35	8 59	11 16	
28	g					

The Bright and Glorious Planet *Venus* is this Year our Bright Morning Star till the Fifth of April, and from that Time our Evening Star to the Year's End.

February 1706.

The { 7 Day at 5 Evening Saturn
12 Day at 4 Evening Jupiter
26 Day at 11 Night Mars
1 Day at 4 Morning Venus
This Month not Mercury } is with the Moon.

3	Ro.	Sun	Length of	Days	Clock	Physical Re-
U	acc.	R. Ser	Day Nigh	Incr.	too fast.	cipe's.
1	12	7 17 5	9 26 15	1 52 14	46	For a Fever.
2	13	7 16 5	9 28 15	1 54 14	45	Take Spring Wa-
3	14	7 14 5	9 30 15	1 58 14	43	ser 2 Quarts, Oi
4	15	7 13 5	9 34 15	2 0 14	40	of Sulphur half an
5	16	7 12 5	9 36 15	2 2 14	36	Ounce, mix them
6	17	7 10 5	9 40 15	2 6 14	32	very well, and make
7	18	7 8 5	9 44 15	2 10 14	27	it Palatable with
8	19	7 5 5	9 50 15	2 16 14	24	Syrup of Clove-gil-
9	20	7 2 5	9 56 15	2 22 14	14	liffowers, of which
10	21	7 0 5	10 00 14	2 26 14	7	let the Sick Drink
11	22	6 58 6	10 4 14	2 30 14	0	at Pleasure.
12	23	6 57 6	10 6 14	2 32 13	53	
13	24	6 55 6	10 10 14	2 36 13	43	Another for the
14	25	6 54 6	10 12 14	2 38 13	33	same.
15	26	6 53 6	10 14 14	2 40 13	23	Take Milk Water
16	27	6 51 6	10 18 14	2 44 13	13	or Purslan Water
17	28	6 49 6	10 22 14	2 48 13	32	Quarts, Syrup of
18	Mar. 6 46 6	10 28 14	2 54 12	48	12	Lemons 8 Ounces,
19	2 6 44 6	10 32 41	2 58 12	34	12	mix them well.
20	3 6 42 6	10 36 14	3 2 12	21		with which let
21	4 6 40 6	10 41 14	3 6 12	8		the Sick quench
22	5 6 38 6	10 46 14	3 10 11	54		his Thirst.
23	6 6 36 6	10 48 14	3 14 11	40		
24	7 6 34 6	10 54 14	3 26 11	26		
25	8 6 30 11	0 13 3	26 10	56		
26	9 6 28 6	11 4 13	30 10	40		
27	10 6 26 6	11 8 13	34 10	31		
28	11 6 24 6	11 12 13	38 10	18		

The Roman Account since the Year 1700 is Eleven Days before the English, our First being their Twelfth.

March hath XXXI Days.

New Moon 3 Day at 4 Afternoon.

First Quarter 10 Day at 9 Morn.

Full Moon 18 Day at 8 Morn.

Last Quarter 26 Day at 8 Morn.

M.D.	W.D.	Festival Days.	Moon Ri. Set.	Moon South.	Full Sea Lon. Br.	Aspects and Weather.
1	a		6 M 4	10 M 5	12 44	
2	b		6 25	11 0	1 A 53	Good March
3	c	Midlent-Sund.	7 Sets.	11 45	2 43	* ♀
4	d		7 A 2	12 49	3 44	Weather at
5	e		8 53	1 A 36	4 21	the begin.
6	f		9 58	2 34	4 56	Δ ♀
7	g		11 35	3 29	5 33	with some
8	h	Q. Anne Proc.	12 58	4 27	6 9	pleasant
9	i		0 M 58	5 23	6 58	Mornings.
10	a	Sun. in Lent.	2 23	6 23	7 52	* ♀
11	b		3 32	7 6	8 42	
12	c		4 21	8 11	10 6	Δ ♀ fine
13	d		4 48	9 1	11 16	temperate
14	e		5 9	9 49	12 24	Weather
15	f		5 18	10 32	0 M 24	bout this
16	g		5 35	11 13	2 10	Time, sui-
17	h	Palm-Sund.	5 55	12 5	3 4	table to the
18	i		7 Rise.	0 M 5	3 28	Season.
19	a		7 A 55	0 36	3 50	
20	b		9 4	1 11	4 2	
21	c		10 20	1 53	4 53	
22	d		11 38	2 37	4 56	♂ ♀ ♀ but
23	e		12 52	3 22	5 27	the latter
24	f	Easter Day.	0 M 52	4 15	6 2	part of the
25	g	Lady-Day.	2 6	5 10	6 44	♂ ☉ ♀ ☐ h ♂
26	h		3 26	6 19	7 51	M. willafford
27	i		3 40	6 58	8 36	☐ ♀ ♀ * ♂ ♀
28	a		3 59	8 29	9 52	both Wind
29	b		4 36	8 58	11 9	and Rain.
30	c		4 55	9 51	12 24	☐ ☉ ♀
31	d	Low Sunday.	5 9	10 44	1 A 33	☐ ♀

March 1706.

The { 7 Day at 5 Morn. *Saturn*
 26 Day at 4 Night. *Jupiter*
 28 Day at 9 Night *Mars*
 3 Day at 3 Morn. *Venus*
 2 Day at 7 Morn. *Mercury* } is with the Moon.

☾	Ro.	Sun	Length of	Days	Clock	Physical Re-
☾	Acc.	Ri. Set.	Day Nigh.	Incr.	too fast.	cipe's.
1	12	5 22 6	11 16	133	42 10	8 For the Jaun-
2	13	6 20 6	11 20	133	46 9	51 dice.
☉	14	6 18 6	11 24	133	50 9	34 Give the Pati-
4	15	6 16 6	11 28	133	54 9	17 ent Vinum Bene-
5	16	6 14 6	11 32	133	58 9	0 dictum, from half
6	17	6 11 6	11 36	134	4 8	42 an Ounce, to an
7	18	6 9 6	11 42	134	8 8	24 Ounce and Half,
8	19	6 7 6	11 46	134	12 8	6 (according to Age
9	20	6 3 6	11 54	134	20 7	47 and Strength) and
☉	21	6 0 6	12 0	124	26 7	28 repeat it four
11	22	5 58 7	12 4	124	30 7	9 times every other,
12	23	5 57 7	12 6	124	32 6	50 or every Fourth
13	24	5 56 7	12 8	124	34 6	32 Day. After which
14	25	5 54 7	12 12	124	38 6	13 give Morning and
15	26	5 52 7	12 16	124	42 5	54 Night, Tinctura
16	27	5 50 7	12 20	124	46 5	36 Martia nigra, half
☉	28	5 48 7	12 24	124	50 5	17 a Spoonful in
18	29	5 46 7	12 28	124	54 4	58 White Port Wine
19	30	5 44 7	12 32	124	58 4	30 for some Days.
20	31	5 42 7	12 36	125	2 4	19
21	Apr.	5 40 7	12 40	125	6 4	1 For the same.
22	2	5 39 7	12 42	125	8 3	42 Take Powder of
23	3	5 37 7	12 46	125	12 3	23 Cambogium Fifteen
☉	4	5 36 7	12 48	125	15 3	5 Grains, which make
25	5	5 34 7	12 52	125	18 2	40 up into 4 or 5 Pills
26	6	5 32 7	12 56	125	26 2	28 with a few Drops
27	7	5 30 7	13 0	115	28 2	11 of Water for one
28	8	5 28 7	13 4	115	30 1	53 Dose. And repeat
29	9	5 26 7	13 8	115	34 1	36 this every other
30	10	5 25 7	13 10	115	36 1	19 Day for 4 or 5
☉	11	5 22 7	12 14	115	40 1	2 times.

April hath XXX Days.

New Moon 2 Day at 1 Morn.
 First Quarter 8 Day at 10 Night.
 Full Moon 17 Day at 1 Morn.
 Last Quarter 24 Day at 6 Night.

M.D.	V.D.	Festival Days.	Moon Ri. Set.	Moon South.	Full Sea Lon.Br.	Aspects and Weather.
1	a	All Fools-day.	5 M 25 11	26 2	A 21	Fine Pleasant
2	b		5 Sets. 12	24 3	23	April Wea-
3	c		9 A 21 1	A 21 4	10	ther at the
4	d		10 42 2	17 4	43	♂ ☉ ♀ * ♂
5	e		12 1 3	10 5	21	♀ * ☉ ♂
6	f		0 M 1 4	20 6	6	Beginning.
7	g	1st past Easter.	1 25 5	14 6	49	
8	h		2 14 6	13 7	46	
9	i		2 55 7	4 8	32	
10	j	Term begins.	3 18 7	53 9	38	♂ ♀ ♀ but
11	k		3 36 8	36 10	41	* ♀ ♀
12	l		3 45 9	17 11	36	about this
13	m		3 55 9	59 12	30	Time expect
14	n	3rd past Easter.	4 7 10	38 1	M 38	Wind and
15	o		4 16 11	17 2	10	Rain,
16	p		4 32 12	13		and the
17	q		5 Rise. 0 M	13	19	Eclip. visi.
18	r		9 A 7 0	39 3	37	Weather
19	s		10 44 1	24 4	14	something
20	t		11 50 2	15 4	43	unsettled at
21	u	4th past Easter.	12 56 3	8 5	18	this Time,
22	v		0 M 56 4	7 5	55	
23	w	George.	1 46 5	56	40	
24	x	Q. Anne Crown-	2 19 6	17	30	
25	y	ed 23	2 45 6	51 8	24	and toward
26	z		3 37	45 9	31	♂ ♀ ♀ the
27	a		3 14 8	35 10	41	* ♀ ♀ End
28	b	5th past Easter.	3 27 9	15 11	36	Cold Rain is
29	c		3 41 10	12 12	51	expected.
30	d		3 56 11	9 2	A 5	

April 1706.

The { 3 Day at 8 Night Saturn
8 Day at 7 Morn. Jupiter
26 Day at 6 Night Mars
1 Day at Midnight Venus
2 Day at 3 Afternoon Mercury } is with the Moon.

☾	Ro.	Sun	Length of Days	Clock	Physical Re-
☾	Acc.	Ri. Set.	Day Night Incr.	too fast.	cipe's.
1	12	5 21 7	13 18 11 5	44 0 40	For a simple
2	13	5 18 7	13 24 11 5	50 0 30	Green Wound.
3	14	5 16 7	13 28 11 5	54 0 14	Apply to it
4	15	5 14 7	13 32 11 5	58 slow 1	Balsam de Chili
5	16	5 12 7	13 36 11 6	2 0 17	spread upon Linc,
6	17	5 10 7	13 40 11 6	6 0 36	and it will Cure it
☉	18	5 7 7	13 44 11 6	10 0 46	at Three or Four
8	19	5 4 7	13 48 11 6	14 1 0	Dressings, some-
9	20	5 2 7	13 52 11 6	18 1 18	times at One Dref-
10	21	5 0 7	13 56 11 6	22 1 40	sing.
11	22	4 58 8	14 2 10 6	28 1 54	Another for the
12	23	4 57 8	14 6 10 6	32 2 4	same.
13	24	4 55 8	14 11 10 6	36 2 17	Take Chio Tur-
☉	25	4 53 8	14 14 10 6	40 2 27	entine, Balsam de
15	26	4 51 8	14 16 10 6	42 2 37	Chili, Balsam de
16	27	4 50 8	14 20 10 6	46 2 47	Peru, of each Two
17	28	4 48 8	14 24 10 6	50 2 57	Ounces, Oil of To-
18	29	4 46 8	14 28 10 6	54 3 8	bacco by Insolation
19	30	4 44 8	14 32 10 6	58 3 15	an Ounce, mix them.
☉	May 1	4 42 8	14 36 10 7	2 3 23	It generally Cures
22	2	4 40 8	14 40 10 7	6 3 30	at One or Two Ap-
23	3	4 39 8	14 43 10 7	8 3 37	plications.
24	4	4 37 8	14 46 10 7	12 3 43	
25	5	4 35 8	14 50 10 7	16 3 49	
26	6	4 33 8	14 54 10 7	20 3 54	
27	7	4 31 8	14 58 10 7	24 3 58	
28	8	4 29 8	15 2 9 7	28 4 0	
☉	9	4 27 8	15 6 9 7	32 4 2	
29	10	4 23 8	15 10 9 7	36 4 6	
30	11	4 20 8	15 14 9 7	40 4 8	

May hath XXXI Days.

New Moon 1 Day near 10 Morn.
 First Quarter 8 Day at 2 Afternoon.
 Full Moon 16 Day at 4 Afternoon.
 Last Quarter 24 Day at 1 Morn.
 New Moon 30 Day at 6 Night.

M.D.	Festival Days.	Moon R. Sets.	Moon South.	Full Sea Lon. Br.	Aspects and Weather.
1	May Day and Jas.	☾ Sets. 12	73	A 45	Sun Ecl. Vig.
2	Ascension Day.	9 A 39	1 A 13	54	
3		11 52	64	38	☿ ☽ ☿ Cool
4		12 11	3 55	18	* ☽ ☿ Rain
5	past Easter.	0 M 11	4 8	59	about this
6	Term ends.	0 58	5 10	35	Time,
7		1 17	5 49	7	then pleasant
8		1 51	6 33	8	May Weather
9		2 47	18 9	0	for some
10		2 14	8 11	10	6 Days.
11		2 25	8 39	10	48
12	Whit Sunday.	2 40	9 13	11	32
13		2 56	9 56	12	30
14		3 4	10 38	0 M	30
15		3 17	11 22	2	16
16		☾ Rife. 12	63	4	sturdy Blasts
17		9 A 39	0 M 63	48	☿ ☽ ☿ of
18		10 13	1 12	4	Wind, and
19	Trinit Sunday.	11 12	64	38	perhaps Hail
20		12 43	1 5	14	also.
21		0 M 43	5 5	48	But the lat-
22		0 16	4 46	6	ter part of
23		0 58	5 41	7	Month is like
24	Term begins.	1 21	6 29	8	to afford
25		1 35	7 48	42	pleasant
26	past Trin.	1 51	7 57	9	Weather,
27		2 16	8 54	11	and a Whol-
28		2 58	9 51	12	some Air.
29	E. Ch. II. Rest.	3 26	10 41	1 A	27
30		☾ Sets. 11	43	2	45
31		9 A 53	12 44	3	40

May 1796.

The { 29 Day at 4 Morn. Saturn
5 Day at 10 Night Jupiter
25 Day at Noon Mars
1 Day at 10 Night Venus
29 Day at 10 Morn. Mercury

is with the Moon.

Ro.	Sun	Length of Days	Cl. too	Physical Re-	
Acc.	Ri. Set.	Day Nigh.	Incr. flow.	cipe's.	
1	12	4 21 8	15 16	9 7 42 4	12 For a Flux of
2	13	4 20 8	15 18	9 7 44 4	14 the Belly.
3	14	4 19 8	15 20	9 7 46 4	14 Take from One to
4	15	4 18 8	15 22	9 7 48 4	14 Three Grains (ac-
5	16	4 17 8	15 26	9 7 52 4	13 cording to Age and
6	17	4 15 8	15 30	9 7 56 4	13 Strength) of Sal-
7	18	4 13 8	15 34	9 8 0 4	12 mon's Volatile Lau-
8	19	4 12 8	15 36	9 8 2 4	10 danum every Night
9	20	4 11 8	15 38	9 8 4 4	8 going to Bed; it
10	21	4 10 8	15 40	9 8 6 4	5 will not fail of
11	22	4 9 8	15 42	9 8 8 4	2 curing at 3 or 4
12	23	4 8 8	15 46	9 8 12 3	58 times taking.
13	24	4 7 8	15 48	9 8 14 3	54
14	25	4 5 8	15 51	9 8 18 3	43 Another for the
15	26	4 3 8	15 56	9 8 22 3	43 same.
16	27	4 1 8	15 58	9 8 24 3	37 Take Diacodium
17	28	3 59 9	16 2	8 8 28 3	30 from Half an Ounce
18	29	3 58 9	16 4	8 8 30 3	23 to an Ounce and
19	30	3 56 9	16 6	8 8 32 3	15 Half, every Night
20	31	3 55 9	16 8	8 8 34 3	7 at Bed-time, in a
21	Jun	3 54 9	16 10	8 8 36 2	59 Glas of Tent, or
22	2	3 53 9	16 12	8 8 38 2	51 other strong Wine,
23	3	3 53 9	16 14	8 8 40 2	43 it will not fail.
24	4	3 52 9	16 16	8 8 42 2	33
25	5	3 52 9	16 16	8 8 42 2	22
26	6	3 52 9	16 16	8 8 42 2	10
27	7	3 52 9	16 16	8 8 42 1	58
28	8	3 51 9	16 18	8 8 44 1	46
29	9	3 51 9	16 18	8 8 44 1	34
30	10	3 50 9	16 20	8 8 46 1	24
31	11	3 50 9	16 20	8 8 46 1	13

B

June hath XXX Days.

First Quarter 7 Day at 5 Morn.

Full Moon 15 Day at 5 Morn.

Last Quarter 22 Day at 5 Morn.

New Moon 29 Day at 3 Morning.

M.D.	W.D.	Festival Days.	Moon Ri. Set.	Moon South.	Full Sea Lon. Br.	Aspects and Weather.
1	e		10 A 36	1 A 42	4 A 25	
2	a	past Trin.	11 22	2 44	5 3	
3	b		11 45	3 37	5 36	Now some
4	a		12 10	4 26	6 9	☐ ♂ ♀
5	b		0 M 10	5 8	6 43	Showers
6	c		0 18	5 53	7 25	may be ex-
7	d		0 27	6 29	8 2	pected, and
8	e		0 40	7 9	8 48	the Wea-
9	f	past Trin.	0 54	7 51	9 38	ther some
10	g		1 9	8 32	10 34	thingsultry
11	a	Barnabas	1 22	9 14	11 36	but unfer-
12	b	Term ends.	1 40	10 6	12 44	tled for
13	c		1 58	10 53	9 M 44	some Days
14	d		2 12	11 47	2 43	the Month
15	e		D Rise.	12 46	2 57	in genera
16	f	past Trin.	10 A 12	0 M 46	3 38	is like to
17	g		10 51	1 47	4 28	prove very
18	a		11 11	2 38	5 0	pleasant,
19	b		11 25	3 29	5 33	and ripen
20	c		11 41	4 21	6 6	* ♀ ♀
21	d		11 51	5 6	6 40	* ♂ ♀ the
22	e		12 45	5 49	7 20	Grass for
23	f	past Trin.	0 M 46	6 40	8 13	the Syth,
24	g	John Bap.	0 41	7 30	9 12	♂ ♀
25	a		1 16	8 24	10 27	
26	b		1 36	9 27	11 50	
27	c		1 54	10 26	1 A 9	very good
28	d		2 22	11 22	2 16	* ♀ ♀
29	e	Peter and Paul.	D Sets.	0 20	3 19	Weather
30	f	past Trin.	9 A 43	1 A 21	4 10	the end.

June 1706

The { 25 Day at 10 Night Saturn
2 Day at 4 Afternoon Jupiter
23 Day at 5 Morning Mars } is with the Moon.
29 Day at Midnight Venus
28 Day at 6 Morning Mercury

Ro.	Sun	Length of Days	Clock	Physical Re-
Acc.	Ri. Set.	Day Nigh. Decr.	too fast.	cipe's.
1	12	3 50 9 16	20 8 8 40 1	2 For the Tooth
2	13	3 49 9 16	22 8 8 48 0	ach.
3	14	3 49 9 16	22 8 8 48 0	36 Take Sal Prunel-
4	15	3 40 9 16	22 8 8 48 0	24 12 or Sal Nitre in
5	16	3 48 9 16	22 8 8 48 0	12 Pouder a Dram,
6	17	3 48 9 16	24 8 8 50 Fast.	hold it in the Mouth
7	18	3 48 9 16	24 8 8 50 0	14 against the Teeth
8	19	3 48 9 16	24 8 8 50 0	27 pained; and renew
9	20	3 48 9 16	24 8 8 52 0	40 it as often as it
10	21	3 48 9 16	24 8 8 52 0	53 melts, spitting out
11	22	3 48 9 16	24 8 Days 1	7 the Rheum, for an
12	23	3 48 9 16	24 8 Decr. 1	20 Hour and Half
13	24	3 48 9 16	24 8 0 0 1	33 together.
14	25	3 48 9 16	24 8 0 0 1	46
15	26	3 48 9 16	24 8 0 1 1	58 Another for the
16	27	3 48 9 16	24 8 0 2 2	11 same.
17	28	3 48 9 16	24 8 0 2 2	23 Take 60 Drops or
18	29	3 49 9 16	22 8 0 3 2	35 more of Guttæ Vitæ,
19	30	3 49 9 16	22 8 0 4 2	49 and hold it in the
20	July 1	3 49 9 16	20 8 0 5 3	1 Mouth against the
21	2	3 50 9 16	20 8 0 6 3	12 taking Tooth as long
22	3	3 50 9 16	18 8 0 7 3	24 as you can, and re-
23	4	3 50 9 16	18 8 0 8 3	34 peat it till the
24	5	3 51 9 16	18 8 0 8 3	44 pain is gone.
25	6	3 52 9 16	16 8 0 9 3	54
26	7	3 52 9 16	16 8 0 10 4	6
27	8	3 53 9 16	14 8 0 12 4	16
28	9	3 54 9 16	14 8 0 14 4	24
29	10	3 54 9 16	10 8 0 16 4	34
30	11	3 54 9 16	8 8 0 18 4	43

July hath XXXI Days.

First Quarter 6 Day at 10 at Night.

Full Moon 14 Day at 4 Afternoon.

Last Quarter 21 Day near Noon.

New Moon 28 Day at 3 Afternoon.

M.D.	W.D.	Festival Days.	Moon Ri. Set.	Moon's South.	Full Lon.	Sex Br.	Aspects and Weather.
1	a		10 A	12 2	A 10	A 41	
2	b		10	23 2	56 5	10	
3	c		10	42 3	40 5	39	Cool Show-
4	d		10	50 4	24 5	9	ers near this
5	e		11	0 5	36	40	time.
6	f		11	16 5	44 7	16	
7	g	7 past Trin.	11	21 6	24 7	57	♂ ☉ ♀
8	a		11	32 7	28	36	
9	b		11	49 7	50 9	38	
10	c		12	16 8	40 10	48	* ♀ ☉
11	d		0 M	16 9	28 11	57	Now some
12	e		0	54 10	27 12	59	☐ ♂ ♀ Wind
13	f		1	38 11	21 1	59	♂ ♀ at
14	g	8 past Trin.	☽ Rise.	12	22 2	M 19	Hand, with
15	a		9 A	8 0	M 22 3	14	☐ ♀ some
16	b		9	26 1	26 4	17	☐ ♀ ♂
17	c		9	36 2	11 4	41	Storms of
18	d		9	49 2	59 5	14	Hail and
19	e		10	23	40 5	39	Thunder in
20	f		10	26 4	34 6	16	many Places
21	g	9 past Trin.	10	41 5	26 6	58	
22	a		10	54 6	19 7	51	
23	b		11	41 7	12 8	46	♂ ♀ ☉
24	c		12	59 8	8 9	55	Thunder a
25	d	James Ap.	0 M	59 9	7 11	2	gain, with
26	e		2	0 10	11 12	51	Lightning
27	f		3	4 11	3 1	53	and hot ful
28	g	10 past Trin.	☽ Sets.	11	58 2	54	try Weather
29	a		8 A	13 12	46 3	42	△ ♂ ♀
30	b		8	32 1	A 30 4	17	
31	c		8	56 2	15 4	43	

July 1706.

The { 23 Day at 4 Morn. *Saturn*
 28 Day at 8 Morn. *Jupiter*
 21 Day at 6 Night *Mars*
 31 Day at 5 Morn. *Venus*
 30 Day at 8 Morn. *Mercury* } is with the Moon.

Ro.	Sun	Length of Days	Clock	Physical Recipe
Acc.	Ri. Ser.	Day Night Dec.	too fast.	
1	12	3 56 9 16 6	80 20 4 52	For the Drop
2	13	3 57 9 16 5	80 21 4 55	lie.
3	14	3 58 9 16 4	80 22 5 6	Take Cambogium.
4	15	3 59 9 16 2	80 24 5 13	15 Grains, Sea.
5	16	4 2 8 15 56	90 26 5 20	mony 5 Grains,
6	17	4 3 8 15 52	90 30 5 27	Cloves 6 Grains;
7	18	4 5 8 15 50	90 32 5 33	each being in fine
8	19	4 6 8 15 46	90 36 5 37	Pouder mix for a
9	20	4 8 8 15 42	90 38 5 41	Dose.
10	21	4 9 8 15 40	90 42 5 44	
11	22	4 11 8 15 38	90 44 5 48	Another for the
12	23	4 12 8 15 36	90 46 5 51	same.
13	24	4 13 8 15 34	90 50 5 54	Take soft Extract
14	25	4 14 8 15 32	90 52 5 55	of Aloes; of the
15	26	4 16 8 15 28	90 54 5 56	Princes Pouder of
16	27	4 17 8 15 26	90 58 5 56	each a Scruple;
17	28	4 18 8 15 24	91 0 5 55	mix for a Dose of
18	29	4 20 8 15 20	91 6 5 54	Pills for a Man or
19	30	4 21 8 15 18	91 8 5 52	Woman, to be given
20	31	4 23 8 15 14	91 12 5 50	in the Morning fast-
21	Au.	4 25 8 15 10	91 16 5 44	ing.
22	2	4 27 8 15 6	91 20 5 40	
23	3	4 29 8 15 2	91 23 5 38	
24	4	4 30 8 15 0	91 26 5 32	
25	5	4 32 8 14 56	101 30 5 28	
26	6	4 34 8 14 52	101 34 5 22	
27	7	4 36 8 14 48	101 36 5 15	
28	8	4 37 8 14 46	101 38 5 7	
29	9	4 38 8 14 44	101 40 5 4	
30	10	4 39 8 14 42	101 42 4 59	
31	11	4 40 8 14 40	101 44 4 51	

August hath XXXI Days.

First Quarter 5 Day at 3 Afternoon.

Full Moon 13 Day at 1 Morn.

Last Quarter 19 Day at 5 Afternoon.

New Moon 27 Day at 4 Morn.

M.D.	W.D.	Festival Days.	Moon Ri.Sets.	Moon South.	Full Sea Lon.Br.	Aspects and Weather.
1	c	Lamas Day.	9 A	52 A	384 A	56 Good Har-
2	d		9	163	325	33 vest Weather
3	e		9	274	166	2 and some
4	f	11 past Trin.	9	384	576	31 heat Showers
5	g		10	125	407	11 in many pla-
6	a		10	496	398	13 ces,
7	b		11	67	189	0
8	c		11	288	1210	6
9	d		12	379	711	24 a fine plea-
10	e		0 M	3710	412	44 Δ δ ϕ fant
11	f	12 past Trin.	1	5611	00 M	44 Δ η ϕ Sea-
12	g		3	1411	562	54 son.
13	a		Δ Rise.	12	473	42
14	b		7 A	340 M	474	7
15	c		7	501	394	25
16	d		8	132	324	53 \square \odot η But
17	e		8	493	255	30 about this
18	f	13 past Trin.	9	164	226	6 time Rain.
19	g		9	485	186	53 Δ η ϕ and
20	a		10	206	107	40 Thunder
21	b		10	567	88	48 may be ex-
22	c		11	288	810	6 pected.
23	d		12	369	611	23 * ϕ η
24	e	Barthol.	0 M	3610	212	37 now let the
25	f	14 past Trin.	2	1210	551 A	46 honest Coun-
26	g		3	4911	362	32 tryman ply
27	a		Δ Sets.	12	173	14 his Harvest
28	b		7 A	171 A	03	54 while the Sea-
29	c		7	401	434	28 son holds.
30	d		8	242	224	46
31	e		8	413	15	14

August 1706

The { 19 Day at Noon Saturn
25 Day at 2 Morn. Jupiter
19 Day at 2 Morn. Mars
3 Day at 2 Afternoon Venus
29 Day at 8 Morn. Mercury } is with the Moon.

Ro.	Sun	Length of Days	Clock	Physical Re-
Acc.	Ri. Set.	Day Night Decr.	too fast.	cipe's.
1 12	4 41	8 14 42 10 1	44 4	42 For a Scald
2 13	4 42	8 14 40 10 1	46 4	32 Head.
3 14	4 43	8 14 36 10 1	50 4	21 Take Turpentine
4 15	4 44	8 14 32 10 1	54 4	11 half a Pound, flow-
5 16	4 46	8 14 28 10 1	58 4	0 ers of Sulphur Four
6 17	4 48	8 14 24 10 2	2 3	48 Ounces, Verdigrise
7 18	4 50	8 14 20 10 2	6 3	36 purified an Ounce,
8 19	4 52	8 14 16 10 2	10 3	23 with a little Oil
9 20	4 54	8 14 12 10 2	14 3	10 Olive, make a soft
10 21	4 56	8 14 8 10 2	18 2	56 Empast. spread up-
11 22	4 58	8 14 6 10 2	22 2	42 on Leather, and
12 23	4 59	8 14 4 10 2	24 2	27 apply.
13 24	5 1	7 14 2 10 2	28 2	12
14 25	5 3	7 13 58 11 2	32 1	56 Another for
15 26	5 5	7 13 54 11 2	36 1	40 the same.
16 27	5 6	7 13 50 11 2	40 1	23 Take Basilicon
17 28	5 8	7 13 46 11 2	44 1	7 half a Pound, flow-
18 29	5 10	7 13 42 11 2	48 0	50 ers of Sulphur; Mer-
19 30	5 12	7 13 40 11 2	50 0	33 curius dulcis Levi.
20 Sep. 1	5 14	7 13 36 11 2	54 0	16 gated, of each 3
21 2	5 16	7 13 32 11 2	58 0	0 Ounces, Oil of Ro-
22 3	5 18	7 13 28 11 3	2 0	22 ses enough to make
23 4	5 20	7 13 24 11 3	6 0	41 a soft Emplaster,
24 5	5 22	7 13 20 11 3	10 1	0 which apply as
25 6	5 24	7 13 16 11 3	14 1	19 the former.
26 7	5 26	7 13 12 11 3	18 1	38
27 8	5 28	7 13 8 11 3	22 1	58
28 9	5 30	7 13 0 11 3	26 2	18
29 10	5 31	7 12 58 12 3	28 2	39
30 11	5 33	7 12 56 12 3	30 2	59
	5 35	7 12 50 12 3	36 3	10

September hath XXX Days.

First Quarter 4 Day at 8 Morning.
Full Moon 11 Day at 10 Morning.
Last Quarter 18 Day at 2 Morning.
New Moon 25 Day at 8 Night.

M.D.	W.D.	Festivals.	Moon Ri.Sets.	Moon South.	FullSea Lon.Br.	Aspects and Weather.
1	a	15 past Trin.	9 A 8	3 A 49	5 A 45	♂ ♀ ♂ Air
2	b		9 20	4 35	6 16	something
3	c		9 41	5 26	6 58	Turbulent,
4	d		9 56	6 15	7 46	Stormy, with
5	e		10 52	7 6	8 42	Rain and
6	a		12 3	8 5	9 59	Thunder too,
7	b		0 M 3	8 57	11 9	in some Pla-
8	c	16 past Trin.	1 30	9 30	12 0	ces.
9	d		2 36	10 46	0 M 0	
10	e		4 12	11 40	2 38	♂ ♀
11	a		D Rise.	12 23	3 23	Now more
12	b		6 A 41	0 M 23	3 48	Temperate,
13	c		6 56	1 26	4 14	
14	d		7 11	2 15	4 43	♂ ♀ ♂ ☉ ☿
15	e	17 past Trin.	7 46	3 13	5 24	and holds
16	a		8 11	4 29	6 13	some Days,
17	b		8 56	5 15	6 49	then Windy
18	c		9 49	6 14	7 46	again, and
19	d		11 0	7 8	8 47	the Air Tur-
20	e		12 8	8 6	9 59	bulent;
21	a	Matthew Ev.	0 M 8	8 55	11 9	
22	b	18 past Trin.	1 39	9 43	12 A 15	♂ ☉ ♀
23	c		3 8	10 27	1 9	☿ ♀ then
24	d		4 24	11 6	1 59	the Air more
25	e		D Sets.	11 48	2 43	clear,
26	a		5 A 57	12 27	2 58	* ♀ ☿
27	b		6 7	1 A 6	3 58	and the Month
28	c		6 21	1 50	4 31	ends mode-
29	d	Michael Arch.	6 38	2 34	4 56	rately.
30	e		7 11	3 21	5 27	

September 1706.

The { 15 Day at 7 Night Saturn
21 Day at 6 Night Jupiter
16 Day at 3 Morn. Mars
29 Day at 9 Night Venus
24 Day at 11 Morn. Mercury } is with the Moon.

☾	Ro.	Sun	Length of Days			Clock		Physical Re- cipe's.
☾	Acc.	Ri. Set.	Day	Nigh.	Dec.	too	flo.	
①	12	5 37 7	12 44	12 3	42	3	40	For Gripping of
2	13	5 40 7	12 40	12 3	46	4	0	the Guts.
3	14	5 42 7	12 36	12 3	50	4	21	Take Sydenham's
4	15	5 44 7	12 32	12 3	54	4	42	Liquid Laudanum
5	16	5 46 7	12 30	12 3	58	5	3	20 Drops, Campho-
6	17	5 48 7	12 26	12 4	2	5	24	rated Spirit of Wine.
7	18	5 49 7	12 24	12 4	6	5	45	60 Drops, mix for a
②	19	5 50 7	12 20	12 4	8	6	6	Dose, to be given
9	20	5 51 7	12 18	12 4	12	6	26	in a Glass of Ca-
10	21	5 53 7	12 14	12 4	16	6	47	nary.
11	22	5 55 7	12 10	12 4	22	7	8	
12	23	5 58 7	12 4	12 4	26	7	28	Another for the
13	24	6 0 6	12 0	12 4	30	7	49	same.
14	25	6 2 6	11 56	13 4	34	8	9	Take Diacodium
③	26	6 4 6	11 52	13 4	38	8	29	an Ounce, or Ounce
16	27	6 6 6	11 48	13 4	42	8	49	and Half, Burnt
17	28	6 8 6	11 44	13 4	46	9	9	Brandy 2 or 3 Oun-
18	29	6 10 6	11 40	13 4	50	9	29	ces, mix them for a
19	30	6 12 6	11 32	13 4	54	9	49	Dose, to be taken
20	01	6 14 6	11 28	13 4	58	10	8	upon the Spot.
21	2	6 16 6	11 24	13 5	2	10	26	
④	3	6 18 6	11 20	13 5	6	10	44	
23	4	6 20 6	11 16	13 5	10	11	2	
24	5	6 23 6	11 12	13 5	14	11	20	
25	6	6 26 6	11 8	13 5	18	11	37	
26	7	6 28 6	11 4	13 5	22	11	54	
27	8	6 30 6	11 0	13 5	26	12	11	
28	9	6 31 6	10 58	14 5	30	12	28	
⑤	10	6 32 6	10 56	14 5	32	12	44	
30	11	6 34 6	10 52	14 5	34	12	51	

October hath XXXI Days.

First Quarter 3 Day near Midnight.

Full Moon 10 Day at 7 Night.

Last Quarter 17 Day at 1 Afternoon.

New Moon 25 Day at 3 Afternoon.

D.	M.	Festival Days.	Moon Ri. Set.	Moon South.	Full Sea Lon. Br.	Aspects and Weather.
1	a		7. A 32	4 A 14	6 A 2	8 h ♀ Snow
2	b		8 27	5 9	5 44	or Cold Rain
3	c		9 23	6 3	7 35	8 h ♀ ex-
4	d		10 27	8 57	8 30	pected about
5	e		12 27	50	9 38	this time.
6	f	20 past Trin.	0 M 28	43	10 53	
7	g		1 32	9 30	11 57	* ☉ ♀
8	a		3 6	10 21	12 58	△ ☉ ♀ * ♀ ♀
9	b		4 39	11 40	0 M 58	△ ☉ ♀
10	c		5 Rises.	12 23	0 0	Eclip. visi-
11	d		5 A 12	8 M 23	36	flabby about
12	e		5 36	1 8	4 2	this time
13	f	21 past Trin.	6 7	2 10	4 41	with Wind
14	g		6 46	3 7	5 18	and Rain,
15	a		8 24	4 11	5 59	
16	b		9 9	5 10	6 44	
17	c		10 22	6 7	7 35	now more
18	d	St. Luke.	11 45	6 57	8 30	* ♀ ♀
19	e		12 37	4 19	9 25	mild for the
20	f	22 past Trin.	0 M 38	29	10 24	Season,
21	g		2 9	9 13	11 35	and like to
22	a		3 27	9 51	12 24	continue
23	b	Term begins.	4 41	10 30	1 A 15	some Days.
24	c		5 55	11 10	2 5	△ ♀ ♀
25	d		5 Sets.	11 51	2 49	☉ Eclip. Inv.
26	e		4 A 42	12 34	3 33	
27	f	23 past Trin.	5 51	A 20	4 10	
28	g	Sim. and Jude.	5 43	2 13	4 34	Mild and
29	a		6 17	3 25	5 14	Moderate at
30	b		7 11	3 58	5 51	the end.
31	c		8 23	4 50	6 28	

October 1706.

The { 13 Day at 2 Morn. *Saturn*
 19 Day at 6 Morn. *Jupiter*
 13 Day at 5 Afternoon *Mars*
 29 Day at 9 Night *Venus*
 25 Day at 4 Morning *Mercury* } is with the Moon.

☾	Ro.	Sun	Length of	Days	Clock	Physical Re-
☾	Acc.	Ri. Set.	Day Nigh.	Decr.	too fast.	cipe's.
1	12	5 37 6	10 48	14 5 38	13	15 For a Cough.
2	13	6 38 6	10 44	14 5 42	13	28 Take Mithridate
3	14	6 40 6	10 36	14 5 46	13	42 a Pound, Pouder of
4	15	5 42 6	10 32	14 5 50	13	55 Elecampane Roots
5	16	5 44 6	10 28	14 5 54	14	8 half a Pound, flowers
⊙	17	5 46 6	10 24	14 5 58	14	20 of Sulphur 4 Ounces,
7	18	5 48 6	10 20	14 5 2	14	31 with Syrup of Clove-
8	19	5 50 6	10 16	14 5 6	14	43 gillyflowers make an
9	20	6 52 6	10 12	14 5 10	14	53 Electuary; Dose as
10	21	6 54 6	10 8	14 5 14	15	3 much as a Chest-
11	22	6 56 6	10 4	14 5 18	15	12 nut, Morning,
12	23	6 58 6	10 2	14 5 22	15	21 Noon and Night.
⊙	24	7 0 5	10 0	14 5 26	15	29
14	25	7 2 5	9 56	15 5 30	15	36 Another for the
15	26	7 4 5	9 52	15 5 34	15	42 same.
16	27	7 6 5	9 48	15 5 38	15	48 Take of my Gutta
17	28	7 8 5	9 44	15 5 42	15	53 Vita 4 Ounces, Pow-
18	29	7 10 5	9 40	15 5 46	15	57 ers of Aniseeds, Ju-
19	30	7 12 5	9 36	15 5 50	16	oniper-berries and Ca-
⊙	31	7 14 5	9 32	15 5 54	16	2 raways, of each 2
21	No.	7 16 5	9 28	15 5 58	16	2 Ounces, mix them.
22	2	7 17 5	9 24	15 7 2	16	4 Dose half a Spoon-
23	3	7 19 5	9 22	15 7 4	16	5 ful in a Glass of
24	4	7 20 5	9 20	15 7 6	16	5 Beer at Bed-time.
25	5	7 22 5	9 16	15 7 10	16	5
26	6	7 24 5	9 12	15 7 14	16	4
⊙	7	7 26 5	9 8	15 7 18	16	1
28	8	7 28 5	9 4	15 7 22	15	58
29	9	7 30 5	9 0	15 7 26	15	54
30	10	7 32 5	8 56	16 7 30	15	46
31	11	7 33 5	8 54	16 7 32	15	36

November hath XXX Days.

First Quarter 2 Day at 1 Afternoon.

Full Moon 9 Day at 5 Morn.

Last Quarter 16 Day at 5 Morn.

New Moon 24 Day at 9 Morn.

M.D.	Festival Days.	Moon Ri. Ser.	Moon South,	Full Sea Lon. Br.	Aspects and Weather.
1 d	All Saints.	9 A 40 5	A 46 7	A 16 6	♂ ☉ ♀
2 e	All Souls.	11 2 6	34 8	8	Rain about
3 a	24 past Trin.	12 25 7	23 9	6	this time.
4 b		0 M 25 8	15 10	13	
5 a	Popish Plot.	2 8 8	41 10	48	
6 b		3 44 9	48 12	24	
7 c		5 6 10	44 0	M 24	
8 d		6 49 11	42 2	38	
9 e		D Rife. 12	40 3	0	☐ ☉ ♀ Now
10 a	25 past Trin.	4 A 30 0	M 40 3	42 8	☉ ☿ h Snow
11 b		4 36 1	51 4	31 8	☉ ☿ in
12 c		5 44 2	54 5	10	some places,
13 d		7 2 3	56 5	48	then Rainy,
14 e		8 36 4	48 6	24	but warm
15 a		10 19 5	40 7	11	for the Sea-
16 b		11 55 6	21 7	51	son;
17 c		12 59 7	10 8	48	
18 d	26 past Trin.	0 M 59 7	47 9	36	
19 e		2 20 8	26 10	27	
20 a		3 22 9	1 11	16	but after-
21 b		4 46 9	46 12	17	♂ h. ♂
22 c		5 54 10	27 1	A 9	△ ♂ ♀
23 d		6 32 11	11 2	5	△ h. ♀ wards
24 e		D Sets. 12	0 3	0	expect Rain
25 a	27 past Trin.	4 A 17 12	A 55 3	56	and Tempe-
26 b		5 17 1	45 4	28	stuous Wea-
27 c		6 50 2	39 5		ther towards
28 d	Term ends.	8 10 3	32 6	33	the end.
29 e		9 9 4	24 6	9	
30 a	Andrew Ap.	10 11 5	11 6	44	

November 1706.

The { 9 Day at 10 Morn. *Saturn*
 15 Day at 8 Night *Jupiter*
 9 Day at 4 Afternoon *Mars*
 18 Day at 8 Morn. *Venus*
 24 Day at Noon *Mercury* } is with the Moon.

☾	Ro.	Sun	Length of Days		Clock		Physical Receipts.	
☾	Acc.	Ri.	Set.	Day	Nigh.	Decr.	too	flo.
1	12	7	34	5	8	52	16	7 34 15 29
2	13	7	36	5	8	48	16	7 38 15 21
3	14	7	38	5	8	44	16	7 42 15 12
4	15	7	40	5	8	42	16	7 44 15 2
5	16	7	41	5	8	40	16	7 46 14 51
6	17	7	43	5	8	36	16	7 48 14 40
☉	18	7	46	5	8	34	16	7 52 14 27
8	19	7	47	5	8	30	16	7 56 14 13
9	20	7	49	5	8	28	16	7 58 14 0
10	21	7	50	5	8	24	16	8 2 13 40
11	22	7	52	5	8	22	16	8 4 13 30
12	23	7	53	5	8	20	16	8 6 13 18
13	24	7	55	5	8	16	16	8 10 12 56
☉	25	7	56	5	8	14	16	8 12 12 38
15	26	7	57	5	8	10	16	8 16 12 18
16	27	7	58	5	8	8	16	8 18 11 59
17	28	7	59	5	8	6	16	8 20 11 30
18	29	8	0	5	8	4	16	8 22 11 18
19	30	8	1	5	8	2	16	8 24 10 56
☾	Dec.	8	2	4	8	0	16	8 26 10 34
☉	2	8	3	4	7	58	17	8 28 10 11
22	3	8	4	4	7	56	17	8 30 9 48
23	4	8	5	4	7	54	17	8 32 9 24
24	5	8	6	4	7	52	17	8 34 8 59
25	6	8	6	4	7	50	17	8 36 8 34
26	7	8	7	4	7	48	17	8 38 8 8
27	8	8	7	4	7	46	17	8 40 7 42
☉	9	8	8	4	7	45	17	8 41 7 14
29	10	8	8	4	7	44	17	8 42 6 47
30	11	8	9	4	7	42	17	8 44 6 20

For an old Sore
or Ulcer.

Take Tobacco
Ointment a Pound,
Mercurius Dulcis la-
vigated 4 Ounces,
mix them, with
this dress the Sore
or Ulcer Once or
Twice a Day.

Another for
the same.

Take *Basilicon*
Minus a Pound, of
the *Princes Powder*
4 Ounces, mix
them, and use it
as the former; it
is an admirable
thing.

December hath XXXI Days.

First Quarter 1 Day near Midnight.

Full Moon 8 Day at 4 Afternoon.

Last Quarter 15 Day at Midnight.

New Moon 24 Day at 3 Morn.

First Quarter the Last Day at 9 Morn.

M.D.	W.D.	Festival Days.	Moon Ri.	Moon Set.	Meon South.	Full Sea Lon.Br.	Aspects and Weather.
1	a	Advent Sunday.	11 A	33 6	A 11 7	A 40	
2	b		12	59 6	38 8	13	Uncertain
3	c		0 M	59 7	27 9	6	at the begin-
4	d		2	26 8	21 10	22	ning,
5	e		4	13 9	15 11	36	
6	f		5	42 10	11 12	51	some Frost
7	g		7	22 11	10 0	M 51	but not vio-
8	a	2 Sunday Adv.	D Rise.	12	18 3	14	lent,
9	b		4 A	20 M	18 3	51	
10	c		5	12 1	25 4	17	☿ ☽ ♀
11	d		6	40 2	26 4	49	Shortest Day.
12	e		8	23	16 5	24	
13	f		9	21 4	5 5	55	moderate a-
14	g		10	39 4	51 6	28	bout this
15	a	3 Sunday Adv.	12	7 5	33 7	2	time,
16	b		0 M	7 6	11 7	40	☿ ☽ ♀
17	c		1	1 6	52 8	24	
18	d		2	16 7	29 9	12	
19	e		3	25 8	10 10	6	
20	f		4	27 9	3 11	16	frosty by
21	g	Thomas Ap.	5	34 9	48 12	24	Fits,
22	a	4 Sunday Adv.	6	36 10	51 1	A 39	
23	b		7	41 11	30 2	27	
24	c		D Sets.	12	19 3	15	
25	d	Nat. Christ.	4 A	58 1	A 13 4	6	and toward
26	e	Stephen.	5	47 2	4 4	31	the end
27	f	John Ap.	6	36 2	54 5	7	some Wind
28	g	Innocents.	8	6 3	42 5	35	and Rain
29	a		10	21 4	28 6	13	☿ ☽ ♀
30	b		11	46 5	7 6	40	expected.
31	c		12	56 5	54 7	25	

The { 6 Day at 6 Night Saturn
13 Day at 6 Morn. Jupiter
16 Day at 1 Afternoon Mars
26 Day at 5 Night Venus
25 Day at 1 Morn. Mercury } is with the Moon.

M	Ro.		Sun		Length of Days				Clock		Physical Re- cipe's.
	Acc.	Ri.	Set.	Day	Nigh.	Dec.	too	fast.			
①	12	8	10	47	40	17	8	465	53		For the Gout.
2	13	8	10	47	38	17	8	485	25		Take Turpentine
3	14	8	11	47	36	17	8	504	57	8	Ounces, Rosin,
4	15	8	12	47	34	17	8	524	27		Wax, of each 4
5	16	8	13	47	34	19	8	523	58		Ounces, Oil of Tur-
6	17	8	13	47	34	17	8	523	28		pentine, Oil Olive,
7	18	8	13	47	34	17	8	522	58		of each Three Oun-
②	19	8	13	47	34	17	8	522	30		ces; mix and make
9	20	8	13	47	34	17		Days 2		0	a soft Emplaster,
10	21	8	13	47	34	17		Incr. 1		29	spread it upon
11	22	8	13	47	34	17	0	00		59	Leather and ap-
12	23	8	13	47	34	17	0	00		28	ply it.
13	24	8	13	47	34	17	0	0 too	fast		
14	25	3	13	47	34	17	0	00	33		Another for the
③	26	8	13	47	34	17	0	01	2		same.
15	27	8	13	47	36	17	0	01	32		Take Ship Pitch,
17	28	8	12	47	38	17	0	22		1	Burgundy Pitch,
18	29	8	11	47	40	17	0	42	31		Frankincense, Tur-
19	30	8	10	47	42	17	0	43		0	pentine, Oil Olive,
20	31	3	10	47	44	17	0	63	29		Oil of Turpentine,
21	Jan.	8	9	47	46	17	0	83	57		of each equalquan-
④	2	8	8	47	46	17	0	104	25		tities, mix and
23	3	8	7	47	48	17	0	124	33		make a Balsam,
24	4	8	7	47	48	17	0	125	20		which apply as
25	5	8	6	47	50	17	0	145	48		the former.
26	6	8	5	47	52	17	0	165	15		
27	7	8	4	47	54	17	0	186	41		
28	8	8	3	47	56	17	0	207	7		
⑤	9	8	3	47	56	17	0	207	33		
30	10	8	2	47	58	17	0	227	58		
31	11	8	1	47	58	17	0	248	22		

Of the Eclipses this Year 1706.

Within the Compass of this Year will happen no less than Four Eclipses of the Luminaries, of which Three will be visible in England.

The First is a Visible Eclipse of the Moon, on *April 17th*, near 1 in the Morning, in which near 5 Digits will be Eclipsed.

The Second is a great Eclipse of the Sun, and visible on *May the First*, about 9 in the Morning, at which time near 10 Parts of 12 of the Sun's Body will be obscured.

The Third is a visible Eclipse of the Moon, and may be seen by us if the Air be clear on *October the 10th* in the Evening; it begins about Six at Night, and ends near 9, and about 8 Parts of 12 of the Moon's Body will be obscured from our Sight.

The Fourth is a nonvisible Eclipse of the Sun, on *October 25* in the Afternoon.

Besides the Eclipses on *September 1st* this Year, happens a Conjunction of *Saturn and Mars* in *Gemini*. God preserve the City of *London* this Year, and for ever.

ADVERTISEMENT.

AT the *Archimedes* and *Three Golden Prospects* in *Ludgate-Street*, Lives *John Yarwel*, approved of by the Royal Society, who makes incomparable Spectacles, ground upon Brass Tools, to the greatest Perfection, with all other Sorts of Glass Instruments, acknowledged by the best skill'd in *Opticks*, to be performed to the utmost that can be done by Art, as Telescopes of all Lengths for Day and Night, Prospective-Glasses, Eye-Glasses, Microscopes, single and double; Magnifying-Glasses, Weather-Glasses, Concave Metals and Burning-Glasses of all Diameters, Triangular Prisms, Convex Lanthorns, Reading-Glasses of all Sizes, Speaking-Trumpets, with all other kinds of Glasses and Optick Instruments of the newest Invention.

T H E

London Almanack,

For the Year, 1706.

A Discourse of the beginning of the Christian Year.

SINCE the *Ara* of our computation of Years is derived from the Birth of our Lord *Jesus Christ*, it seems reasonable to me; the beginning of the Christian Year should be derived from the very Day of *Christ's* Birth, and that that Day should always be the first Day of the first Month of our Year.

2. It is not only Report, and the received Notion, but what all our most credible Histories; besides, the usage of the universal Church have conveyed unto us; that *Christ* our Lord was born on the 25th. Day of December, which was the Day of the Winter Solstice; and of this Opinion was our learned antiquary *Selden*; and so the ancient Fathers of the Church denoted it. *Selden* in his *Theanthropos*, Sect. 3. Pag. 31. says, But it being commonly received out of the Account and Kalendar of the Gentiles, that the 25th. of December was the Solstice, and that on the same Day our Saviour was born, it grew familiar, it seems, and so was delivered down to those Fathers, that the Birth Day was on the very Winter Solstice, which they so often inculcate.

3. This being said as to the Day, the time of the Day (so far forth as we can discover it) is to be considered; because hereby the certainty of the Day is more fully determined. It

is agreed on all Hands that it was on or about Midnight, the Day the Sun entred *Capricorn*; if then the Sun entred the first scruple of that Tropick on the 24th Day near midnight, and that our Lord was born near that Hour or before one a Clock in the Morning; it follows that he was born in the first Hour of the 25th Day of December; for otherwise, should he have been born at the Midnight following, the Birth would have been in the first Hour of the 26th Day, which is absolutely contradictory, not only to all received Tradition, but to all credible History extant, and the Opinions and Affirmations of the ancient Fathers of the Church.

4. And with this agrees our *Selden*, page 52. — *Had the midnight following the 25th Day been the just time, those which in Jewry propagated the Tradition to Posterity, should (by all probability) have delivered it to have been on the 26th Day of the Julian December, and not on the 25th; for by the use of the Jews their natural Days were accounted from Evening to Evening, that the Night following the 25th, was part in their account of the 26th Day. But if the account be taken from the usage in the state of Rome, whereunto Jewry was then subject; then in that State, the natural Day was from midnight to midnight, and according to that too, it stands indifferent to which of the two Days the Birth should be referred. But besides, the Church of Rome has taken it to have been in the Night time preceeding the 25th Day, for they in the Vigil of the Feast celebrate the Shepherds watching and in the Morning they have a Special Mass, with reference to the Shepherds Visitation of our Saviour at that time in the Morning. By all which it may be rationally concluded, that he was born on the 25th Day, and in the first Hour of the same Day, it being on or about the Winter Solstice, or the Sun's entering *Capricorn*, which is always the shortest Day in the Year.*

5. Since then, that at the time of our Saviour's Birth, the Sun's entrance into *Capricorn* or the Winter Solstice, inchoated the 25th of December, which was the shortest Day of the Year, and that now in the beginning of 1706. it falls to be on the 11th of December, it is manifest that there is an anticipation of the true time of the Birth by the Space of almost 14 Days; by which it appears that the equal Tropical Year

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must be less than 365 Days, 6 Hours, by some certain Minutes of Time.

6. Now if in about 1706 Years there has been an anticipation of near 14 Days, it is manifest then that every 122 Years gains a Day; and if so, it is as manifest that the length of the equal Tropical Year must be 365 Days, 5 Hours, 48 Minutes, 12 Seconds; for as 14 Days are to 1706 Years, so is 1 Day to 122 Years almost. Again, since in 1 Day there is contained 1440 Minutes, or 86400 seconds; it follows, that as 122 Years are to 86400". so is 1 Year to 708". or 11'. 48". which subducted out of 365 d. 6. h. 0'. 0". leaves 365 Days, 5 Hours, 48'. 12". the length of the equal Tropical Year as afore-said.

7. If it should be objected that 14 Days is too great an anticipation for 1706 Years, and that it will require near 100 Years more to make the 14 Days compleat; to that we answer, that this is yet matter of dispute, and requires farther and more strict Observation; but admitting of the Objection, it will then be, as 14 Days are to 1806 Years, so is 1 Day to 129 Years: Again, as 129 Years are to 86400", so is 1 Year to 670". almost, or 11'. 10". which subducted out of 365 d. 6 h. 0'. 0". leaves 365 d. 5 h. 48'. 50". for the length of the equal Tropical Year; but which of these come nearest the Truth, time and farther Observation must determine.

8. Since therefore that the true Birth Day is thus manifestly anticipated, it is our Business in this present Paper to reduce it to its original incohabitation, as to the Place of the Sun in the Zodiac, and relinquishing the Pagan account of Months and Days, or the Heathen Kalendar to institute a Christian one, making the first Day of the first Month of the said Kalendar, the Day of the Birth of our Lord, or entrance of the Sun into the Winter Solstice, or Tropical Sign *Capricorn*, according to the Example in the following Diary for 1706.

9. The next thing which we are to consider, is the Number of Days of which every Month is to consist; and whether they are to be limited by the Sun's entrance into each Sign of the Zodiac, or to have a certain and fixed Number of Days assigned to each Month, at least of the first eleven Months,

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Months, leaving only the Number of Days in the twelfth Month uncertain, and only to be determined by the Sun's entrance into *Capricorn*, and so making it a Day either shorter or longer, as that may happen, by which means there will never be any anticipation of the Birth Day of Christ for ever after.

10. If the Numbers of Days in each Month are to be limited by the Sun's entrance into each respective Sign of the *Zodiac*, this will be a work of some trouble, without answering any end whatsoever; for thereby the Number of the Days will be many times uncertain; nor can they be every Year the same, which may breed some unhappy differences in Accounts and Chronology: Whereas, if the certain Number of the Days of the first eleven Months be once stated, the difference will then only fall in the twelfth Month, which receives its regulation and Number of Days from the *exit* of the last degree of *Sagitary*, or the *introitum* of the first scruple of *Capricorn*, as aforesaid.

11. We are next to enquire which Day shall be accounted for the first Day of the Solstice, and be allowed as the Birth Day of our Lord, which we account the beginning of the Christian Year. To this the Answer is very short, if the entrance of the Sun into *Capricorn* be between Midnight and Sun-set following it, the Birth Day, or first Day of the new Year shall be accounted the same Day; but if after Sun-set, then the Birth Day or New-years Day shall be the Day following it. The constant observation of this Rule will prevent Mistakes, and always regulate the Number of Days which the twelfth Month ought to consist of.

12. As to the Names of the Months, it will be unnatural for us to call them by the old *Roman Names*, because the Days of each Month so very much differ; nor can we give them any Latin *Nomenclature*, unless we should form them after the Examples of *Quintilis*, *Sextilis*, which are for the Months of *July* and *August*: But how far such an Innovation would pass upon the Learned, we shall leave to others to judge of. Mean Season we cannot much err, if in imitation of the ancient Hebrews, we call them by the Names of the *First Month*, *Second Month*,

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




Month, Third Month, &c. to the Twelfth Month, till such time as some better or more proper Appellation shall be invented or found out.

13. By reason of the Anticipation of the Birth Day of our Lord, and reducing it to its primitive place in the Kalendar; all the fixed Feasts of the Church are also anticipated 14 Days, to make them answerable to the *Natalitium*, and this we thought good to advise, that the Reader might not be surpriz'd at the change of their Places, for as much as they move retrograde, and equally anticipate in like manner with that. But the moveable Feasts with us have no respect to that, but follow in this Diary according to their distance from the *Paschal* or *Passover*, which according to the Mosaic Institution was always celebrated on the Evening of the 14th Day of the First Month, which in this our Kalendar is the Fourth Month from the Birth of Christ.

14. Out of the following Kalendar it is also to be observed, that the *six Winter Months*, viz. from the Sun's entrance into *Libra*, to his entrance into *Aries*, to wit, all *Libra*, *Scorpio*, *Sagitary*, *Capricorn*, *Aquarius* and *Pisces*, or Tenth, Eleventh, Twelfth, First, Second and Third Months, are the shortest Months in the Year, and each never exceed or come to more than 30 Days. Whereas the *six Summer Months* from the Sun's entrance into *Aries*, to his entrance into *Libra*, to wit all *Aries*, *Taurus*, *Gemini*, *Cancer*, *Leo* and *Virgo*, or First, Second, Third, Fourth, Fifth and Sixth Months, are the longest Months in the Year, and have each of them 31 Days for the course of their Signs.

15. This being observed, it is manifest that the Sun is 7 Days longer in running thro' Υ \varnothing Π \ominus Ω ♄ , the six Summer Months, than he is in running thro' ♈ ♉ ♊ ♋ ♌ ♍ the six Winter Months: For $31 \times 6 = 186$ the Number of the Days of the Sun's Course through the six Northern Signs, and $30 \times 5 = 150 + 29 = 179$, the Number of the Days of the Sun's Course through the six Southern Signs; and $186 - 179 = 7$; but every fourth Year, when the Month of *Sagitary*, or Twelfth Month shall have 30 Days, then it will be $30 \times 6 = 180$. So that the Difference between the six Summer and six Winter Months, will then be only 6 Days.

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		First Month.						Second Month.			
Christ. Acc.	Engl. Acc.			Feasts. & change		Christ. Acc.	Engl. Acc.			Feasts. & change	
1	11	0	33	Christ born.		1	10	1	8	first qu. 1. after	
2	12	1	34	Stephen Mart.		2	11	2	9	Conver. Paul.	
3	13	2	36	John Evang.		3	12	3	10		
4	14	3	37	Innocents.		<i>f</i> 13	13	4	11	3 after Epiph.	
5	15	4	38			5	14	5	12		
<i>f</i> 16	16	5	39			6	15	6	13		
7	17	6	40			7	16	7	14		
8	18	7	42	Circumcision.		8	17	8	15	Full & 9. night	
9	19	8	43	Full & 5. morn.		9	18	9	16		
10	20	9	44			10	19	10	17	Purification.	
11	21	10	45			<i>f</i> 20	20	11	18	4 after Epiph.	
12	22	11	47			12	21	12	18		
<i>f</i> 23	23	12	48	Epiphany.		13	22	13	19		
14	24	13	49			14	23	14	20	Term begins.	
15	25	14	50			15	24	15	21		
16	26	15	52			16	25	16	22		
17	27	16	53	Last quart. 4. m.		17	26	17	22	Last qu. 1. morn	
18	28	17	54			<i>f</i> 27	27	18	23	Sexagesima.	
19	29	18	55			19	28	19	24		
<i>f</i> 30	30	19	57	1 after Epiph.		20	29	20	25		
21	31	20	58			21	30	21	26		
22	<i>Jan</i> 21	59				22	31	22	26		
23	22	3				23	<i>Feb.</i> 23	23	27		
24	324	2		New & 7. night		24	224	27		New & 6. morn	
25	425	3				<i>f</i> 3	25	28		Quinquages.	
26	526	4				26	426	28			
<i>f</i> 6	627	5		2 after Epiph.		27	527	29			
28	728	6				28	628	29		Q. Ann. born.	
29	829	7				29	729	30			
30	90		8			30	80		30	first qu. 9. night	

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		Third Month.						Fourth Month.			
		Engl. Acc.	Chrif. Acc.	Feasts & Change				Engl. Acc.	Chrif. Acc.	Feasts & Change	
1	9	1	31			1	11	1	27		
2	10	2	31	Matthias.		2	12	2	26		
3	11	3	31			3	13	3	25		
4	12	4	32	Term ends.		4	14	4	25		
5	13	5	32	Lent begins.		5	15	5	24		
6	14	6	32			6	16	6	23		
7	15	7	32			7	17	7	22	Palm Sund.	
8	16	8	33	Full & 3. aftern.		8	18	8	22	Full & 8. morn.	
9	17	9	33	1 Sund. Lent.		9	19	9	21		
10	18	10	33			10	20	10	20		
11	19	11	33			11	21	11	19		
12	20	12	33			12	22	12	18		
13	21	13	33			13	23	13	17	Q. Ann Crown.	
14	22	14	33			14	24	14	16	Passover.	
15	23	15	33	last qu. 16. day.		15	25	15	15		
16	24	16	33	2 Sund. Lent.		16	26	16	14	Last quar. 9. m.	
17	25	17	33			17	27	17	12		
18	26	18	32			18	28	18	11		
19	27	19	32			19	29	19	10		
20	28	20	32			20	30	20	9		
21	Mar 21	21	31			21	31	21	8	1 p. Easter.	
22	22	22	31	New & 23. day.		22	Ar 22	22	6		
23	23	23	31	Mid-Lent Sund.		23	23	23	5	New & 1. morn.	
24	24	24	30			24	3	24	4		
25	25	25	30	Conception.		25	4	25	3		
26	26	26	30			26	5	26	2		
27	27	27	29			27	6	27	0		
28	28	28	29	Q. Ann procl.		28	7	27	58	2 p. Easter.	
29	29	29	28	first qu. 30. day		29	8	28	57	first qu. 10. nig.	
30	30	30	27	4 Sund. Lent.		30	9	29	55		
31	31	31	27			31	10	28	53	Term begins.	

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Christ. Acc.	Engl. Acc.	Fifth Month.		
		☉	☿	
1	11	1	52	Mark Evang.
2	12	2	50	
3	13	3	49	
f	14	4	47	3 p. Easter.
5	15	5	45	
6	16	6	43	Full ☾ midn.
7	17	7	41	Philip Ap.
8	18	8	39	
9	19	9	37	
10	20	10	35	
f	21	11	33	4 p. Easter.
12	22	12	31	
13	23	13	29	
14	24	14	27	Last qu. 7. night
15	25	15	25	
16	26	16	23	
17	27	17	21	
f	28	18	19	Rogation.
19	29	19	16	
20	30	20	14	
21	May 21	21	12	New ☾ 10. mor.
22	22	22	10	
23	23	23	7	
24	24	24	5	
f	25	25	2	6 p. Easter.
26	26	26	0	Term ends.
27	27	27	58	
28	28	27	55	first qu. 2. aftern.
29	29	28	53	
30	30	29	51	
31	31	30	49	

Christ. Acc.		Engl. Acc.		Sixth Month.	
				☿ II	
☿	12	1	46	Pentecost.	
	2 13	2	44		
	3 14	3	41		
	4 15	4	39		
	5 16	5	36	Full ☾ 4. aftern.	
	6 17	6	33		
	7 18	7	31		
☿	19	8	29		
	9 20	9	26		
	10 21	10	24		
	11 22	11	22		
	12 23	12	19	Last quar. midn.	
	13 24	13	16	Term begins.	
	14 25	14	13		
☿	26	15	11		
	16 27	16	8		
	17 28	17	5	Barnabas Ap.	
	18 29	18	2		
	19 30	18	59	New ☾ 6. night	
	20 31	19	57		
☿	Jan 20	20	54		
☿	2 21	21	51		
	23 3	22	48		
	24 4	23	46		
	25 5	24	43		
	26 6	25	40		
	27 7	26	37	First qu. 5 mor.	
	28 8	27	34		
☿	28 31	28	31		
	30 10	29	28	John Bapt.	
	31 11	0	25		

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Christ. Acc.		Engl. Acc.		Seventh Month.	
				☉	☾ Feasts. & change
1	12	1	23		Term ends.
2	13	2	20		
3	14	3	17		Full ☾ 4. day.
4	15	4	14		Peter Ap.
5	16	5	11		
6	17	6	9		
7	18	7	6		
8	19	8	3		
9	20	9	0		
10	21	9	57		
11	22	10	54		Last qu. 5 mor.
12	23	11	52		
13	24	12	49		
14	25	13	46		
15	26	14	43		
16	27	15	40		
17	28	16	37		
18	29	17	34		New ☾ 3 morn.
19	30	18	32		
20	Jul.	19	29		
21	2	20	26		
22	3	21	23		
23	4	22	21		
24	5	23	18		
25	6	24	15		first qu. 10 night
26	7	25	12		
27	8	26	9		
28	9	27	6		
29	10	28	4		
30	11	29	1		James Ap.
31	12	29	58		


Christ. Acc.		Engl. Acc.		Eighth Month.	
				☉	☾ Feasts. & change
1	13	0	56		
2	14	1	53		Full ☾ 4 night.
3	15	2	50		
4	16	3	48		
5	17	4	45		
6	18	5	43		
7	19	6	40		Dog-days beg.
8	20	7	38		
9	21	8	35		Last qu. at noon.
10	22	9	33		
11	23	10	30		
12	24	11	28		
13	25	12	25		
14	26	13	23		
15	27	14	20		
16	28	15	17		Full ☾ 3 aftern.
17	29	16	15		
18	30	17	13		
19	31	18	10		
20	1	19	8		
21	2	20	5		
22	3	21	3		
23	4	22	1		
24	5	22	58		first qu. 3 aftern.
25	6	23	56		
26	7	24	54		
27	8	25	52		
28	9	26	50		
29	10	27	48		Barthol. Ap.
30	11	28	46		
31	12	29	44		


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Christ. Acc.	Encl. Acc.	Ninth Month.		
		☉	☾	Feasts. & change
1	13	0	42	Full ☾ 1. morn.
2	14	1	40	
3	15	2	38	
4	16	3	36	
5	17	4	34	
6	18	5	32	
7	19	6	30	Last qu. 3 night
8	20	7	28	
9	21	8	26	
10	22	9	24	
11	23	10	22	
12	24	11	20	
13	25	12	19	
14	26	13	17	
15	27	14	15	New ☾ 4 morn.
16	28	15	14	Dog-days end.
17	29	16	12	
18	30	17	11	
19	31	18	9	
20	1	19	8	
21	2	20	7	London burnt.
22	3	21	5	
23	4	22	4	First qu. 8 mor.
24	5	23	3	
25	6	24	1	
26	7	25	0	Matthew Evan.
27	8	25	58	
28	9	26	57	
29	10	27	56	
30	11	28	55	Full ☾ 10 morn.
31	12	29	54	

Christ. Acc.	Encl. Acc.	Tenth Month.		
		☉	☾	Feasts. & change
1	13	0	53	
2	14	1	52	
3	15	2	51	Michael Arch.
4	16	3	50	
5	17	4	49	
6	18	5	48	Last qu. 2 morn.
7	19	6	47	
8	20	7	46	
9	21	8	45	
10	22	9	45	
11	23	10	44	
12	24	11	43	
13	25	12	43	New ☾ 8 night.
14	26	13	42	
15	27	14	41	
16	28	15	41	
17	29	16	40	
18	30	17	39	
19	oct.	18	39	
20	1	19	39	
21	2	20	39	First qu. midn.
22	3	21	38	Luke Evang.
23	4	22	38	
24	5	23	38	
25	6	24	38	
26	7	25	37	
27	8	26	37	
28	9	27	37	Full ☾ 7 night.
29	10	28	37	
30	11	29	37	

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Engl. Acc.		Eleventh Month.	
Christ. Acc.		 m	
1	13	0 37	
2	14	1 37	Sim. Jude. Ap.
3	15	2 37	
4	16	3 37	
5	17	4 37	last qu. 1 aftern.
6	18	5 37	All Saints.
7	19	6 37	
8	20	7 37	
9	21	8 38	
10	22	9 38	
11	23	10 38	Term begins.
12	24	11 38	
13	25	12 39	New ☾ 3 aftern.
14	26	13 39	
15	27	14 40	
16	28	15 40	
17	29	16 40	Lord Mayors d.
18	30	17 41	
19	31	18 41	
20	Nov	19 41	
21	2	20 42	first qu. 1 aftern.
22	3	21 42	
23	4	22 43	R William born
24	5	23 44	Powder Plot.
25	6	24 44	
26	7	25 45	
27	8	26 46	
28	9	27 46	Full ☾ 5 morn.
29	10	28 47	
30	11	29 47	

Engl. Acc.		Twelfth Month.	
Christ. Acc.		 ♀	
1	12	0 48	
2	13	1 49	
3	14	2 50	
4	15	3 51	Last quar. 5 day.
5	16	4 52	Andrew Ap.
6	17	5 53	Advent Sund.
7	18	6 54	
8	19	7 55	
9	20	8 56	
10	21	9 57	
11	22	10 58	
12	23	11 59	New ☾ 13 day.
13	24	13 0	2 Advent.
14	25	14 1	
15	26	15 2	
16	27	16 3	
17	28	17 4	Term ends.
18	29	18 5	
19	30	19 6	
20	Dec	20 7	3 Advent.
21	2	21 8	First qu. 1 mor.
22	3	22 10	
23	4	23 11	
24	5	24 12	
25	6	25 14	
26	7	26 15	Thomas Ap.
27	8	27 16	4 Advent.
28	9	28 17	Full ☾ 27 day.
29	10	29 18	

II. A short Discourse of the Epact.

1. **W**Hereas one Richard Saunders in his Almanack for 1704, made some Reflection upon the Author of the London Almanack by Name, only for an oversight in the Kalendar, which to us in England was a thing of no moment, and what the best Mathematician in the World might have been guilty of, without any Prejudice to his Reputation. This thing, tho' it savour'd more of Malice than Wit or Learning, (to speak nothing of Civility) the said Author, the next Year silently overpast, as thinking that foolish Advertisement proceeded more from the want of good breeding than any thing else.

2. But the next Year, viz. 1705. The said Saunders there impeaches the said Author, by Name, again; of an Error in the account of the Epact, which is always the Age of the Moon the 28th of February. This Man is admirable at finding of Faults, and so excellent at that Faculty, that he can with a wonderful deal of Facility (by an Art that he has) find them out, even where there is none.

3. We will now come to examine what this mistake (as he is pleased to call it) is; and he tells us that the Author of the London Almanack, says, That when the Golden Number is 1, 4, 7, 10, 13, 16, 19, in the foreign Account, the Epact is the same, tho' (says the said Saunders) according to his Rule of subduſting of 11 from the Epact of the old Account, to find the Epact of the Gregorian or new Account, it can never be the same with the Golden Number; and according to his erroneous Notion, he has given in his Almanack for 1705 a learned Table of Epacts.

4. The vulgar or common Rule for finding the Epact in the foreign Account is, to subduſt 11 from the Epact in the old Account, and the remainder will be the Epact of the new Account: This Rule sometimes holds in all the Numbers of Mr. Saunders his Table, except in the seven aforementioned Numbers.

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bers. The Error of which arises from his accounting the Moon to be in some Years thirty Days old in the preceding Month, which can never be; and I now challenge him to prove that ever the Moon was 30 Days old since the World began.

5. Out of that vulgar Rule therefore there are some Numbers excepted, which Numbers are the afore enumerated seven. We will examine the first Exception. He says, that when the Golden Number is 1, the Epact in the Roman Account will be 30, but the Moon's Age never attaining to 30 Days (never to more than 29) this must be evidently wrong, for after 29 Days 1 naturally succeeds, which will be the true Epact or Age of the Moon that Year, when the Golden Number is but Unity: And for the same reason it is, that the Epacts of the other six named Numbers cannot be what he has asserted in his Table, but by supposing the Moon's greatest Age then to be 30 Days, which because it never was nor can be admitted to be, one Day more is to be added to the remainder, to make it quadrare with Truth.

6. The Day the Moon changes she can never be said to be one Day old, but the Day following: nor is the Day of her change accounted for any Day of her Age, whether it be in respect either to the beginning or ending thereof; so that at most she is never said to be above 29 Days old, which clears the Point beyond exception. But however, the general Rule it self is not always infallible; for in the last Year 1705 the Moon changed upon the 12th of February, so that upon 28. February she was 16 Days old, and yet according to that Rule she ought to be but 15, for that the Golden Number is no more, and the Rule is when the Golden Number is 3, 6, 9, 12, 15 and 18, the Epact shall be the same,

7. And so the said Mr. Saunders has put it in the second Page of his said Almanack, The Golden Number 15, The Epact 15, and yet the Moon's Age the 28th of February was 16. And his Error goes farther, for he makes the Epact in the Gregorian or New Stile to be but 4; and yet the Moon's Age on their 28th Day (which was our 17th Day) was 5, and she was really 5 Days old. But this shews, that he who is so
apt

apt to carp at, and find Faults with others, is as capable of them himself.

8. The matter, whether it was Error or not, is not worth the contending about, much less such a malicious exposing of Names in such a trifle, and upon such an impertinent account; and yet the Man himself to be so notoriously wrong in making the Moon to be 30 Days old, (as he does in his said Tables,) which she never was yet in the Memory of Man. But the whole thing smells more of Envy than any thing else, tho' I know not that ever I thought the Man evil, much less did him any all the Days of my Life: Yet it is not without its mixture of Ignorance and Folly, and so according to *Solomon's* Advice, I have answer'd him accordingly, lest he should be wise in his own Conceit. But as I think it not worth my Pains to engage such a trifling Adversary, so I here promise that I will never enter into any Controversie with him hereafter; from henceforth and for ever.

III. *To find out the proportion of the Diameter of a Circle to its Circumference.*

1. **T**HIS is to be laid down as an Axiom, That if a Triangle be made in a Circle by two Lines drawn from the Center to the Circumference, the Cord of the Arch intercepted making the third side, that the two Angles at the Circumference are equal; and each want so many Degrees and Centesims of a right Angle, as half the Angle at the Center amounts to.

2. Let a Polygon of 36000 sides (equal to the Centesims in 360 Degrees) be inscribed into a Circle, then you will have so many Triangles constituted of equal magnitude, in each of which you will have the three Angles given, and two sides; by which it is required to find the third side, which is the Cord of the Arch of the central Angle given.

3. The

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3. The two sides given are the Radius; the central Angle is 1 Cent. the Angles at the Circumference are each $89^{\circ} 99'$ Cent. The Centesimal Cord is desired.

Erit, ut sinus $89^{\circ} 99'$ Cent. ————— 9. 999999997

Ad Radium vel latus Datum, 1000000 ——— 6. 000000000

Sic sinus $0^{\circ} 1$ Cent. ————— 6. 241877369

Ad latus inveniendum, $174^{\circ} 53292$ ——— 2. 241877368

4. Si latus unum sit $174^{\circ} 53292$; Perimeter Polygoni erit 6283185' 12000; quia 36000 in $174^{\circ} 53292$ ——— 6283185' 12000 & Diameter Circuli 2000000; quæ proportio est ut 314159251 ad 100000000, vel ut, 3' 14159251 ad 1.

IV. Of the Circumference and Diameter of the Earth.

1. **A** According to several Experiments, the Quantity of a Degree has been variously found: *Albazard* an *Arabian* found in one Degree (being reduced to our English Measure) 367283 English Feet; *Ptolomy* allowed it to be of the same Measure 371900 Feet. *Norwood*, who made an actual Measure between *London* and *York* found it to contain 367200 of the same Feet. *Picard*, a French Man who also actually measured it by order of the *French King* and at his Charge, found it to be 365000 of the same Feet; of which 5000 make an *Italian Mile*.

2. These measures of a Degree having been thus fixt by so ancient, and so great Authority, and such demonstrable and actual Surveys; it follows, that by the first of those Measures, viz. that of *Albazard* a Degree will contain $73^{\frac{457}{1000}}$ *Italian Miles*. By *Ptolomy's* Measure, it will contain $74^{\frac{38}{100}}$ *Italian Miles*.

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By *Norwood's Measure* 73⁴⁴/₁₀₀ *Italian Miles* : and by *Picard's Measure* it will contain 73 of the *same Miles*.

3. The *Geometrical Mile* is $\frac{1}{60}$ of a Degree, or that of which 60 makes one Degree upon Earth, and consists according to vulgar Computation of 6000 Feet, but if we take the measure of it from *Norwood*, it will contain 5120 Feet; if from *Picard's Survey*, it will then be but 6084 of the *same Feet* almost.

4. The *English Mile* is our Statute or Standart Mile, and consists of 5280 *English Feet*, of which Miles 69 $\frac{1}{2}$ make a Degree, so that a *Geometrical Mile* has 1200, or according to *Picard* 1217 Paces almost; an *English Mile* 1056 Paces, and an *Italian Mile* but 1000 of the *same Paces*; from whence it appears that the Circumference of the Earth contains 21600 *Geometrical Miles*, 24885 *English Miles*, and 26280 *Italian Miles*.

5. If the Earth is supposed to be 26280 *Italian Miles* in Circumference, which are 131400000 Feet, it follows by the former proportion (of the Diameter of a Circle to its Circumference) that its Diameter must be 8376⁷³⁷ Miles, or 4188368 Feet.

FINIS.